

METHOD AND APPARATUS FOR A VIRTUAL MEMORY FILE SYSTEM

ABSTRACT OF THE DISCLOSURE

An apparatus to enable operation of a computer by authorized users when in a secure mode of operation is provided. One exemplary apparatus includes a hub configured to be in communication with the computer. The hub includes a card reader, a card microprocessor and an encryption engine. The apparatus also includes a card configured for insertion into the card reader. The card includes a card microprocessor. In addition, the apparatus includes a user authentication device configured to validate the user as an authorized user of the card. If the user is validated as the authorized user, then the card microprocessor passes a key to the hub microprocessor in response to the validation of the user as the authorized user of the card. The encryption engine of the hub is then activated to operate in a secure mode of operation.